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In the claims:

Please amend the claims as follows:

1. (Previously Presented) A method for quantitatively assessing a peripheral vascular function in a limb of a patient, the method comprising:

- (a) measuring a peripheral pulse volume per length PV in the limb of the patient;
- (b) measuring a blood pressure of the patient; and
- (c) calculating a quantity that is a mathematical function of the peripheral vascular function in the limb, using the peripheral pulse volume PV measured in step (a) and the blood pressure measured in step (b).

2. (Original) The method of claim 1, wherein step (b) comprises:

- (i) measuring a diastolic blood pressure DBP of the patient;
- (ii) measuring a systolic blood pressure SBP of the patient; and
- (iii) calculating a pulse pressure PP of the patient as $PP = SBP - DBP$.

3. (Original) The method of claim 2, further comprising measuring a heart rate HR of the patient, and wherein step (c) comprises calculating the quantity also using the heart rate HR .

4. (Original) The method of claim 3, wherein step (c) comprises calculating a pulsatile flow PF as $PF = PV \times HR$.

5. (Original) The method of claim 4, wherein step (c) further comprises calculating a vascular resistance R as PP/PF .